

# MATERIAL SAFETY DATA SHEET

## PavePrep SA

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                                   |  |
|-----------------------------------|--|
| <b>Chemical characterization</b>  | Filled Mastic and Fabric Laminate  |
| <b>Supplier</b>                   | Crafco, Inc.<br>420 N Roosevelt Ave.<br>Chandler, AZ 85226<br>www.crafco.com |
| <b>Emergency telephone number</b> | 1 800 424-9300 (Chemtrec)  |
| <b>Product use</b>                | Reflective Crack Membrane  |
| <b>Canadian PIN</b>               | N/A  |

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| <b>Hazardous components</b> | <b>Name</b>             | <b>CAS Number</b> | <b>Weight %</b> |
|-----------------------------|-------------------------|-------------------|-----------------|
|                             | Petroleum asphalt       | 8052-42-4         | 30 – 50         |
| <b>Other components</b>     | <b>Name</b>             | <b>CAS Number</b> | <b>Weight %</b> |
|                             | Polyester fabric        | 25038-59-9        | < 5             |
|                             | Non-respirable minerals | Mixture           | Balance         |

See Section 15 of this MSDS for OSHA Regulatory Status

### 3. HAZARDS IDENTIFICATION

|                                  |   |
|----------------------------------|---|
| <b>Emergency overview</b>        | Black asphaltic inner layer bonded to outer layers. Contact with the inner material may cause severe eye irritation, or skin irritation.<br><br>In case of fire, use water, water spray, dry chemical, or CO <sub>2</sub> . |
| <b>Primary route(s) of entry</b> | Skin contact.   |
| <b>Symptoms of exposure</b>      |   |
| <b>Inhalation</b>                | Breathing vapors, especially from heated product, may cause irritation to respiratory tract.  |
| <b>Eye contact</b>               | May cause severe irritation, redness, tearing, and blurred vision.  |
| <b>Skin contact</b>              | Prolonged or repeated skin contact may result in dryness, cracking, and irritation. Long term skin exposure can increase sensitivity to the sun and cause skin discoloration.   |

|   |  |
|---|--|
| <b>Medical conditions aggravated by exposure</b>    | Chronic respiratory or skin conditions.  |
| <b>Listed as carcinogen or potential carcinogen</b> | Not listed by OSHA, the International Agency for Research on Cancer (IARC), or the National Toxicology Program (NTP). See Section 11 for additional information. |

#### 4. FIRST AID

|                          |  |
|--------------------------|--|
| <b>Inhalation</b>        | Remove patient from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.  |
| <b>Eye contact</b>       | Immediately rinse eyes slowly and gently with water for at least 15 minutes while holding eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Remove any contact lenses after the first 5 minutes and then continue flushing eyes. Get immediate medical attention. |
| <b>Skin contact</b>      | Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.  |
| <b>Ingestion</b>         | Not a likely route of exposure.  |
| <b>Note to physician</b> | Treat symptomatically  |

#### 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash Point and Method</b>            | >400 °F (204 °C) for asphalt (Cleveland Open Cup)  |
| <b>General hazard</b>                    | Hydrogen sulfide, a toxic gas, may be released when the product is heated.   |
| <b>Extinguishing media</b>               | Water, water spray, dry chemical, or CO <sub>2</sub> .   |
| <b>Extinguishing media to avoid</b>      | None   |
| <b>Special firefighting instructions</b> | Move containers from area if it can be done without risk.  |
| <b>Firefighting equipment</b>            | As in any fire, wear NIOSH approved, positive-pressure, self-contained breathing apparatus and full protective gear. |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Wear appropriate protective equipment (see Section 8). |
| <b>Environmental precautions</b> | N/A  |
| <b>Clean-up methods</b>          | N/A  |

#### 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Wear appropriate protective equipment (see Section 8). Wash thoroughly after handling. |
| <b>Storage</b>  | Keep away from heat, flames, and other ignition sources.                               |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                             |  |
|-----------------------------|--|
| <b>Engineering controls</b> | Normal ventilation.  |
| <b>Personal Protection</b>  |  |
| <b>Respirator</b>           | In operations where the product is heated and vapors are generated, use a NIOSH approved respirator that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory protection program (29 CFR 1910.134).   |
| <b>Eye Protection</b>       | Wear safety glasses if there is any potential for eye contact.   |
| <b>Gloves</b>               | Wear work gloves.  |
| <b>Clothing</b>             | Normal work clothing.  |
| <b>Other</b>                | Eye wash if there is a potential for eye contact.  |
| <b>Exposure controls</b>    | Asphalt fume OSHA PEL: N/E<br>ACGIH TLV: 0.5 mg/m <sup>3</sup> TWA (as benzene-soluble aerosol)<br><br>Hydrogen sulfide OSHA PEL: 20 ppm STEL; 50 ppm 10-min peak,<br>once per 8 hr. shift<br>ACGIH TLV: 10 ppm TWA; 15 ppm STEL<br><br>This product also contains calcium carbonate, magnesium carbonate, and less than 1% crystalline silica, which are inextricably bound to the asphalt. These materials are not in a respirable form, and do not present a hazard during use. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                   |  |
|-------------------|--|
| <b>Form</b>       | Sheet  |
| <b>Color</b>      | Various colored outer fabrics with a black inner layer |
| <b>Odor</b>       | Petroleum  |
| <b>Properties</b> | pH: N/A<br>Water solubility: Insoluble                 |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                       | Stable  |
| <b>Materials to avoid</b>               | None known  |
| <b>Conditions to avoid</b>              | Elevated temperatures   |
| <b>Hazardous decomposition products</b> | Carbon monoxide, carbon dioxide, sulfur oxides, and hydrogen sulfide. |

## 11. TOXICOLOGICAL INFORMATION

|                         |   |
|-------------------------|---|
| <b>Acute Toxicity</b>   | No information on product is available.   |
| <b>Chronic Toxicity</b> | In March, 1987 the International Agency for Research on Cancer (IARC) classified bitumens (such as petroleum asphalt in this product) as a Group 3 material: "not classifiable as to its carcinogenicity to humans." NIOSH recently conducted mouse skin painting studies using selected fractions of asphalt fume condensate. Skin application of the condensate fractions resulted in skin tumors in laboratory mice. |

## 12. ECOLOGICAL INFORMATION

|                    |   |
|--------------------|---|
| <b>Ecotoxicity</b> | This product is not toxic to animals, plants or fish. |
|--------------------|---|

## 13. DISPOSAL CONSIDERATIONS

|                                  |  |
|----------------------------------|--|
| <b>RCRA hazardous waste code</b> | Not regulated  |
| <b>Special instructions</b>      | Observe all federal, state and local laws and regulations. |

## 14. TRANSPORT INFORMATION

|                         |               |
|-------------------------|---------------|
| <b>DOT hazard class</b> | Not regulated |
| <b>TDG hazard class</b> | Not regulated |

## 15. REGULATORY INFORMATION

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| <b>OSHA regulatory status<br/>(29 CFR 1910.1200)</b>        | Hazardous  |  |                                      |
| <b>CERCLA reportable quantity<br/>(40 CFR 117, 302)</b>     | <b>Name</b>  | <b>Reportable quantity (lbs)</b>                 |                                      |
|   | None   | N/A  |                                      |
| <b>SARA extremely hazardous<br/>substances (40 CFR 355)</b> | <b>Name</b>  | <b>Threshold<br/>planning<br/>quantity (lbs)</b> | <b>Reportable<br/>quantity (lbs)</b> |
|   | None   | N/A  | N/A                                  |
| <b>SARA hazard categories<br/>(40 CFR 370)</b>              | Immediate (Acute)  |  |                                      |
| <b>SARA toxic chemicals<br/>(40 CFR 372)</b>                | <b>Name</b>  | <b>CAS Number</b>                                | <b>Percentage</b>                    |
|   | None   | N/A  | N/A                                  |
| <b>Inventory Status</b>                                     | The chemicals in this product are listed on the US TSCA Chemical Substances Inventory and the Canadian Domestic Substances List. |  |                                      |
| <b>Toxic Substance Control Act</b>                          | No specific regulations apply.   |  |                                      |

**Controlled Products Regulations** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS classification** D2B

**State regulations**

|                                    |  |
|------------------------------------|--|
| <b>FL Hazardous Substance List</b> | Asphalt, crystalline silica*   |
| <b>MA Right to Know List</b>       | Asphalt, calcium carbonate*, magnesium carbonate*, crystalline silica* |
| <b>MN Hazardous Substance List</b> | Asphalt, calcium carbonate*, magnesium carbonate*, crystalline silica* |
| <b>NJ Right to Know List</b>       | Asphalt, calcium carbonate*, magnesium carbonate*, crystalline silica* |
| <b>PA Right to Know List</b>       | Asphalt, calcium carbonate*, crystalline silica*                       |
| <b>RI Hazardous Substance List</b> | Asphalt, calcium carbonate*, magnesium carbonate*                      |

\* These substances are inextricably bound to the asphalt component.

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**Abbreviations**

C - Ceiling limit  
ERG – Emergency Response Guidebook  
LC<sub>50</sub> - The concentration of a substance in air that will kill 50% of test animals within a certain exposure period.  
LD<sub>50</sub> - The dose that causes death in 50% of test animals.  
N/A - Not applicable  
N/D - Not determined  
N/E - Not established  
N/K - Not known  
NIOSH – National Institute for Occupational Safety and Health  
PIN – Product Identification Number  
RQ - Reportable Quantity  
TPQ - Threshold Planning Quantity  
WHMIS – Workplace Hazardous Materials Information System

**Preparation information**

|                             |  |
|-----------------------------|--|
| <b>Prepared by</b>          | International Product Safety Management, Inc.<br>Fairfield, CT 06824<br>1-203-256-8284 |
| <b>Date prepared</b>        | 02/23/2006   |
| <b>Replaces</b>             | 12/04/2002   |
| <b>Revision information</b> | N/A  |

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